

**ENGINEERING/OPERATIONS COMMITTEE MEETING RECAP
NOVEMBER 10, 2010**

COMMITTEE MEMBERS PRESENT

Ed Mandich, Committee Chair
Matt Disston, Committee Member

STAFF PRESENT

Don Chadd, General Manager
Hector Ruiz, District Engineer
Teresa Teichman, Secretary to the Board of Directors
Kris Hanberg, Wastewater Supervisor
Gary Kessler, Chief Water Operator
Michael Perea, Special Projects Manager

STAFF ABSENT

Neil McKenna, Water Supervisor
Bob Beck, Maintenance Supervisor

PUBLIC PRESENT

No members of the public were present.

CALL THE MEETING TO ORDER

Committee Chair Mandich called the Engineering/Operational Committee Meeting to order at 7:10 a.m.

PUBLIC PARTICIPATION

Public comments were announced. There were no oral or written comments.

ORAL COMMUNICATION

There were no comments.

COMMITTEE MEMBER COMMENTS

There were no Committee Member comments.

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REPORT FROM THE GENERAL MANAGER

There was no report from the General Manager.

PROJECT MANAGEMENT

**ITEM NO. 1A) STATUS UPDATE RELATING TO THE BAKER REGIONAL
WATER TREATMENT FACILITY**

Mr. Hector Ruiz, District Engineer, advised the Baker WTP Committee has not met for several months and is scheduled to meet on November 12, 2010.

Mr. Ruiz advised at this time there is no new information to present.

The Engineering/Operational Committee received the status update. No action taken.

**ITEM NO. 1B) STATUS UPDATE AND POSSIBLE ACTION RELATING TO
ROSE CANYON AND LANG WELLS GROUNDWATER
TREATMENT FACILITY**

Mr. Ruiz advised the project is nearing 90% completion and advised the major equipment has been installed and the perimeter wall is in the final stage of completion. Mr. Ruiz reminded the committee R.C. Foster's substantial completion date of November 15, 2010 has been slightly pushed back due to weather conditions and change orders.

Mr. Ruiz advised he is working with Southern California Edison (SCE) to coordinate the delivery schedule of the transformer to the site. Vice President Mandich asked if SCE required an easement from TCWD, Mr. Ruiz advised they do not.

Mr. Ruiz advised claims submittals have been sent out for processing for all invoices through September 2010. Future claim submittals are being prepared at this time.

Mr. Don Chadd, General Manager, recognized Mr. Michael Perea, Special Projects Manager, for his attention to detail and organization in the preparation and timely submittal of the claims.

Mr. Chadd had discussion with the committee relating to moving back the proposed date of the open house at the well site to early 2011. The committee agreed.

Mr. Chadd advised he met with TCWD's accountant and treasurer last week as it relates to the escrow account and reserve funds per the requirement of the State Revolving Fund loan.

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Mr. Ruiz advised personnel from the Department of Public Health (DPH) visited the site two weeks ago for inspection and status update. DPH advised they are pleased with the progress and informed Mr. Ruiz as to the watershed sanitary survey which is a component for final approval. Mr. Ruiz advised there was no specific timeline given for the completion of the watershed survey, however; it does affect TCWD's permit. Mr. Ruiz advised a watershed survey was recently completed for Irvine Lake and he will review the information and report back.

The Engineering/Operational Committee received the status update. No action taken.

**ITEM NO. 1C) STATUS UPDATE RELATING TO WATER MONITORING AND
WATER CONSERVATION EFFORTS**

Mr. Chadd discussed the water allocation tables provided by the Municipal Water District of Orange County (MWDOC) containing data as of October 13, 2010 and noted TCWD remains under its allotment.

The Engineering/Operational Committee received the status update. No action taken.

**ITEM NO. 1D) STATUS UPDATES REGARDING ON-GOING ENGINEERING
PROJECTS**

1. Golf Club Lift Station Upgrades/Rehabilitation

Mr. Ruiz advised the dry pit submersible pumps have been received and TCWD field staff installed the shut-off and check valves last week and will begin the installation of the pumps next week. Mr. Ruiz commented that the new pumps are smaller and more efficient. Mr. Ruiz noted planning for an automated surge control system will be conducted after the installation of the pumps.

2. Shadow Rock Detention Basin Project

Mr. Perea advised he attended a meeting last week with the City of Rancho Santa Margarita and the Santa Margarita Water District (SMWD) as it relates to the city's requirement to provide updated policy and enforcement action plan of its National Pollutant Discharge and Elimination System (NPDES) laws. Mr. Perea reported he provided information as it relates to TCWD's Water Conservation Ordinance.

3. Brookseed/Dove Water Main Inter-Tie/Fire Line

Mr. Ruiz advised there is no new information to report.

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4. T-mobile Trabuco Highlands Reservoir Antenna Installation

Mr. Ruiz advised this project is complete and significant road repairs have been completed.

5. El Toro Road Sewer Lift Station

Mr. Ruiz advised he met with SMWD in regard to odors origination at this sewer lift station. Both water districts are working together for solutions to remedy the situation.

Mr. Ruiz advised he is continuing to work with TCWD's maintenance department to evaluate and make a determination relating to the repair or replacement of the pumps. Much of the equipment at this lift station is nearing the end of its service life and due to the age of the parts, many of the parts are no longer available.

Mr. Ruiz stated has heard back from IRWD regarding Amendments to the Agreement for the bypass of sewage and anticipates bringing this information to the Board in December or January, 2011.

6. Other Projects

Mr. Perea advised he is working with TCWD's IT provider to coordinate the server upgrade project which is scheduled to occur in December 2010.

The Engineering/Operational Committee received the status updates. No action taken.

ITEM 1E) STATUS UPDATES REGARDING ACTIVE DEVELOPMENTS

1. Skyridge – Standard Pacific Homes (85 DUs)

Mr. Ruiz advised PSOMAS has been contracted to perform the Sub-Area Master Plan (SAMP) for this development and should be completed within six to eight weeks.

2. Oaks at Trabuco

Mr. Chadd advised he has received information from Mr. Goren agreeing to the terms of the Extension Agreement and anticipates having the agreement signed and the required deposit received by next week.

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3. Other Active Developments

No other developments were discussed.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1F WATER SYSTEM STATUS UPDATE

Mr. Gary Kessler, Chief Water Operator, provided the October 2010 update.

Source Water Production

1. The water treatment plant production totaled 183 acre feet.
2. The Rose Canyon Well produced 0 acre feet and the Lang Well produced 0 acre feet.
3. The average daily demand was 5.7 acre feet, or 2.9 cfs.

Projects and Repairs

1. Water Department Personnel repaired line breaks on Birdhollow Drive and Silvertree Lane.
2. Water Department Personnel repaired water service on Wagon Wheel.

Mr. Kessler discussed the occurrence and status of water line breaks on Silver Tree Lane and Birdhollow Drive.

Mr. Ruiz reported he is sending samples of the ductile iron pipe along with some native backfill soil taken from the site of the line breaks for analysis.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1G) WASTEWATER SYSTEM STATUS UPDATE

Mr. Kris Hanberg, Wastewater Supervisor, provided the October 2010 status update.

Robinson Ranch Wastewater Treatment Plant

1. The reclaimed water production totaled 62.1 acre feet.
2. The recycled water demand was 114 acre feet.
3. Dove Lake had 4.7 feet of freeboard.

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4. The reclaimed water reservoir had 8 feet of freeboard.
5. The District pumped a total of 12.1 acre feet from Dove Lake.
6. The Dry Season Water Recovery Project produced 18.2 acre feet.

Projects

1. District Personnel are operating the WWTP off Time Of Use.
2. District Personnel have completed Source Control Inspections.

Mr. Hanberg reviewed the Sewer System Management Plan (SSMP) Report with the committee.

Mr. Hanberg discussed the odor emanating from the force main at the El Toro Sewer Lift Station and possible strategies TCWD and SMWD will implement in order to remedy.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1H) OCTOBER 2010 OPERATIONAL REPORT REVIEW

There were no anomalies to report. Discussion occurred relating to the purchase of AMP water in October. A minor amount of AMP water was purchased during shut-down of a water main required for the wells upgrade project.

Director Disston asked if carriage water charges will be eliminated once the Baker WTP is on line. Mr. Ruiz advised it should go away completely at that time.

The Engineering/Operational Committee received and filed the report. No action taken.

**ITEM NO. 1I) ENGINEERING/OPERATIONAL COMMITTEE MEETING
RECAP**

No changes were made to the Engineering/Operational recap.

The Engineering/Operational Committee recommended that the Board receive and file the October 14, 2010 Engineering/Operational Committee Meeting Recap. (Consent Calendar).

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ITEM NO. 1J) OTHER MATTERS/REPORT

Mr. Chadd provided a status update on the proposed Plano Median Reclaimed Water Project. Mr. Chadd discussed the process involved for the conversion and the consideration of peak traffic flow in the community. Mr. Chadd advised the project may begin as early as December and should be a one to two day project with Mr. Hanberg as the main contact with DPH.

Mr. Chadd advised the committee of a complaint forwarded to DPH by a resident within the Dove Canyon community. DPH went to the customer's home last week and reported back to both the customer and TCWD that there are no concerns with the water quality.

Mr. Chadd advised the Larkgrove resident has requested an itemization of balance due which staff has sent out.

Mr. Chadd advised the committee President Safranski and Ms. Teichman will both be absent from the November regular board meeting.

Recommended Action: The Committee received the status update. No action taken.

ADJOURNMENT

Committee Chair Mandich adjourned the November 10, 2010 Engineering/Operational Committee Meeting at 7:58 a.m.